

SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 15 90 37 21

Classification of the application (IPC): F24F 5/00, F25B 41/04, F28D 20/00, F28D 20/02 Technical fields searched (IPC): F28D, F28F, F24F, F25B, C09K, B60H

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	ry Citation of document with indication, where appropriate, of relevant passages				
X A	US 2012037342 A1 (HOLLOWAY MATHEW [GB] ET AL) 16 February 2012 (2012-02-16) * paragraphs [0001] - [0016], [0038] - [0044], [0101], [0108] - [0109], [0141], [0142], [0159] - [0160]; figures 1, 8, 9, 32 *	8 1-7, 9			
Х	EP 1837385 A2 (SGL CARBON AG [DE]) 26 September 2007 (2007-09-26) * paragraphs [0001] - [0015] *	8			
Х	Christ, Martin: "Hochleistungs-Verbundwekstoffe zur Wärmespeicherung" Neue Trends in der Solarthermie, 01 April 2008 (2008-04-01) URL: http://www.aee.at/aee/31-zeitschrift/zeitschriften/2008-03-neue-trends-in-der-solarthermie/234-hochleistungs-verbundwerkstoffe-zur-waermespeicherung-schwerpunkt-solare-prozesswaerme [retrieved on 25 April 2019 (2019-04-25)] XP002790877 * the whole document *	8			
Α	US 5682752 A (DEAN WILLIAM J [US]) 04 November 1997 (1997-11-04) * column 5, line 25 - column 8, line 27; figure 1 *	1-9			
A	WO 2013020583 A1 (AUTARKIS B V [NL]; SCHMITZ ANTONIUS HENRICUS HUBERTUS [NL] ET AL.) 14 February 2013 (2013-02-14) * page 2, lines 12-22; figures 2-5 * * page 9, line 10 - page 15, line 12 *	1-9			
Α	US 2009301119 A1 (CHEN CHENGJUN JULIAN [US]) 10 December 2009 (2009-12-10) * the whole document *	1			
Α	EP 0290992 A1 (NALLINGER JORG D [DE]; EPPLE HARTMUT [DE]) 17 November 1988 (1988-11-17) * the whole document *	1			

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Date of completion of the search Place of search Examiner Munich 26 April 2019 Leclaire, Thomas

CATEGORY OF CITED DOCUMENTS

- X: particularly relefant if taken alone
 Y: particularly relefant if
- particularly relefant if combined with another document of the same category
- technological background
- O: non-written disclosure
- &: member of the same patent family, corresponding document
- intermediate document
- theory or principle underlying the invention earlier patent document, but published on, or after the filing date
- document cited in the application
- L: document cited for other reasons

EP 3 347 657 A4



SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 15 90 37 21

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
A	JP 2003065584 A (SANYO ELECTRIC CO; SANYO ELECTRIC AIR CONDITION) 05 March 2003 (2003-03-05) * figures 1-3 *	1			

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich

Date of completion of the search

26 April 2019

Examiner Leclaire, Thomas © 2019 org.epo.publication.KlausBaumeister xsl stylesheet v0.9.3SRnfp

CATEGORY OF CITED DOCUMENTS

- X: particularly relefant if taken alone
 Y: particularly relefant if
- particularly relefant if combined with another document of the same category
- technological background
- O: non-written disclosure
- &: member of the same patent family, corresponding document
- intermediate document
- theory or principle underlying the invention earlier patent document, but published on, or after the filing date document cited in the application
- D:
- L: document cited for other reasons

EP 3 347 657 A4



ANNEX TO SUPPLEMENTARY EUROPEAN **SEARCH REPORT**

Application number: EP 15 90 37 21

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 26-04-2019

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2012037342	A1	16-02-2012	NONE		
EP 1837385	A2	26-09-2007	EP US	1837385 A2 2007222112 A1	26-09-2007 27-09-2007
US 5682752	Α	04-11-1997	NONE		
WO2013020583	A1	14-02-2013	NONE		
US 2009301119	A1	10-12-2009	NONE		
EP 0290992	A1	17-11-1988	AU EP EP WO	1684188 A 0290992 A1 0313608 A1 8808945 A1	06-12-1988 17-11-1988 03-05-1989 17-11-1988
JP 2003065584	Α	05-03-2003	NONE		